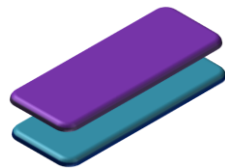




## TECHNICAL DATA SHEET

### THERMOFORMABLE PET FILM

# IMP290



Corona treated Polyester layer

Transparent polyester core

Transparent biaxially oriented polyester film, one side corona treated, specially designed for shallow draw thermoforming and embossing packaging applications. IMP290 can also be used for printing and lamination in flexible packaging applications. IMP290 is recommended to be laminated with a sealant layer where the final structure has shallow draw thermoformed requirements.

#### PRODUCT FEATURES

- Suitable for Shallow Drawing (Low height thermoforming)
- Excellent gloss and transparency
- Reduced film thickness enables waste reduction
- Recyclable

#### APPLICATIONS

- In combination with a sealant layer IMP290 can be used in
- Trays, packs and lids
  - Fresh and frozen food applications (small goods, vegetables, pasta etc.)
  - Medical packs and pouches
  - Any other packaging application where low depth is required

PROPERTIES	TEST METHOD	UNITS	IMP290	IMP290
<b>GENERAL</b>				
Thickness	Internal	ga	72	88
Density	Internal	g/cm <sup>3</sup>	1.39	1.39
Yield	Internal	lb/ream	10.1	12.3
	Internal	in <sup>2</sup> /lb	27600	23000
<b>OPTICAL</b>				
Gloss	max	ASTM D-2475	%	35
<b>MECHANICAL</b>				
Tensile Strength	MD	ASTM D-882	psi	> 26000
	TD	ASTM D-882	psi	>29000
Elongation to Break	MD	ASTM D-882	%	> 110
	TD	ASTM D-882	%	> 100
Coefficient of Friction	Dynamic	ASTM D-1894	A/B	0.30 - 0.50
<b>BARRIER</b>				
Water Vapor Transmission Rate	(100°F/90% RH)	ASTM E1249	g/100in <sup>2</sup> /24h	1.81
Oxygen Transmission Rate	(73°F/0% RH)	ASTM D3985	cc/100in <sup>2</sup> /24h	5.81

#### Guidelines for use

Due to the diversity of thermoforming processes, it is essential to control temperatures well during the process for correct and repeatable results. Excessive temperature use will result in over-shrinkage.

#### Guidelines for storage

IMP290 should be stored at 64 - 86°F in its original wrapping and away from sources of direct sunlight. IMP290 should be consumed within 6 months of receipt. Allow film to reach operating room temperature 24h before use.

*FDA Compliance: For information regarding food contact compliance, please contact your Impak Films representative*

Information in this publication refers to average values of laboratory tests on samples from standard production. It is believed to be accurate and is given in good faith, but it is for the customer to satisfy the suitability for its own particular purpose. Accordingly, Impak Films gives no warranty as to the fitness of the product for any particular purpose and any implied warranty or condition (statutory or otherwise) is excluded except to the extent that such exclusion is prevented by law. This document is not a product specification. Impak Films reserves the right to change the data sheet at any time without prior notification.

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